

# Work Order ID 55835

February 3, 2010 10:07:27 AM



Page 1

Item ID: D4005-3

Accept



Setup Start



Revision ID:

Stop



Item Name: Fwd Restaint Beam

Start Date: 2/03/10 Start Qty: 2.00

Required Date: 2/11/10 Req'd Qty: 2.00

Cust Item ID:

Customer:

Reference:

Run Start



Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_

Stop



QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	----------------	--------------	--------------	---------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr
----------	--------------

D4005	A-PRELIM
-------	----------

100 0.00



Purchasing

Purchasing

Memo

Issue P/O: 11416

Purchase part as per Dwg D4005

Possible Supplier: Avial / AP- GFI

Material release note required

R 10.02.03

0.00

PL 10-2-24  
(4)

110 0.00



Packaging

Packaging

Receive & Inspect for Damage & Mat'l Certs

Memo

0.00

PL 10/2/02 (4)

120 0.00



QC

Quality Control

QC6- Inspect dimensions to drawing

Memo

0.00

QC APPROVAL

Inspector  
to RW  
A Day  
8/11/17 x4

PRELIMINARY ISSUE

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Work Order ID 55835

February 3, 2010 10:07:27 AM



Page 2

Item ID: D4005-3

Accept



Setup Start



Revision ID:

Stop



Item Name: Fwd Restaint Beam

Start Date: 2/03/10 Start Qty: 2.00



Cust Item ID:

Required Date: 2/11/10 Req'd Qty: 2.00

Customer:

Reference:

Run Start



Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_

Stop



QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	----------------	--------------	--------------	---------------	---------------	------------------	----------------

121

Chemical Conversion Coat per QSI005 4.1

0.00

=) JU

11/01/17

4

9



HandFinish

Hand Finishing

Memo

0.00

Plc spray sander as per Dwg and  
start 8:15  
temp 300  
Finish 8:45  
QC3- Inspect Part Finish

11-01-19

122

QC3- Inspect Part Finish

0.00



QC

Quality Control

Memo

0.00

4

9

11-01-17

130

Identify as per dwg & Stock Location: \_\_\_\_\_

0.00

=) JU

11/01/17

4

9



Packaging

Packaging

Memo

0.00

(11/01/20) (4)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

**Work Order ID 55835**

Page 3

February 3, 2010 10:07:27 AM

Item ID: D4005-3

Accept



Setup Start



Revision ID:

Stop



Item Name: Fwd Restaint Beam

Start Date: 2/03/10 Start Qty: 2.00



Cust Item ID:

Required Date: 2/11/10 Req'd Qty: 2.00



Customer:

Reference:

Run Start



Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_

Stop



QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Sequence ID/  
Work Center IDOperation  
DescriptionSet Up/  
Run HoursDraw  
NumberDraw  
Rev.Plan  
CodeAccept  
QtyReject  
QtyReject  
NumberInsp.  
Stamp

140

QC21- Final Inspection - Work Order Release

0.00



QC

Memo

0.00

Quality Control

11/01/20

ME  
11-01-20

POSITIVE RECALL

EFFECTIVE 10-02-03 AUTH

RELEASED DATE 11-01-20

11-01-20

good to for A

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Picklist Print

February 3, 2010 10:07:33 AM

Page 1  
T

Work Order ID: 55835



Parent Item: D4005-3



Parent Item Name: Fwd Restaint Beam

Start Date: 2/03/10

Required Date: 2/11/10

Comments: IPP rev A 09.12.23 new Issue Prelim EC verified by: DD

Start Qty: 2.00

Required Qty: 2.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	--------------------------	---------------	----------------	--------

M2024T0S.040

Purchased

No

100

sf

0.0000

3.7080



W

2024-T0 .040" SHEET

D4005-3

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

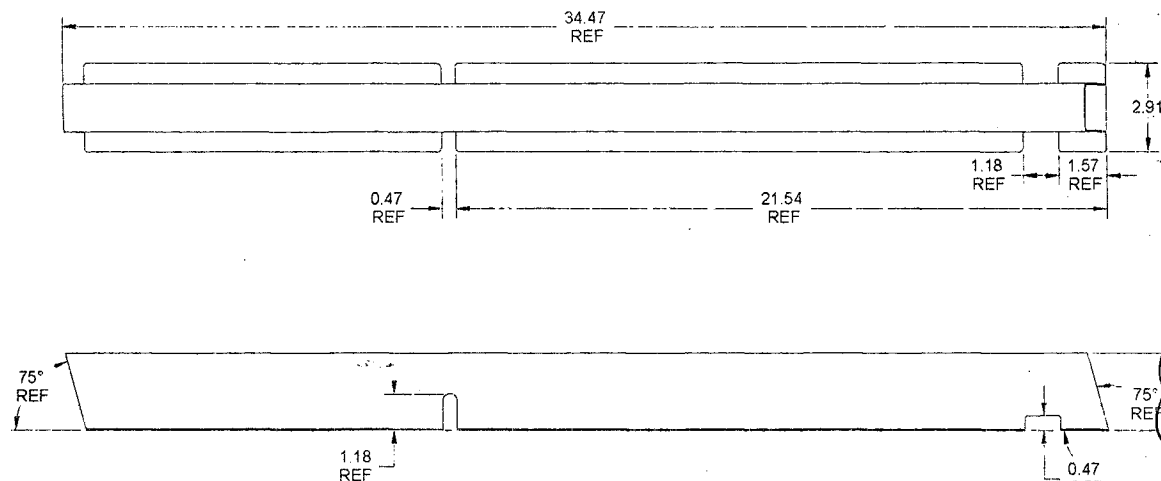
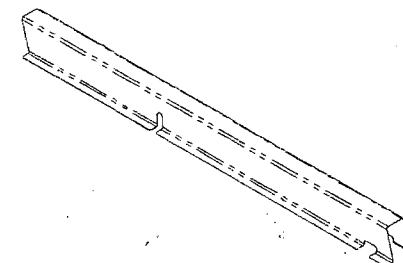
NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries



DART AEROSPACE PART NUMBER	JOHN CAMERON AVIATION PART NUMBER
D4005-3	JCA-M47-2-05

W/O 55835



**D4005-3 FORWARD RESTRAINT BEAM**  
MADE FROM D4005-3F

Enc

This Dim Z get ~~2.62~~ 2.62  
see E.D. about this

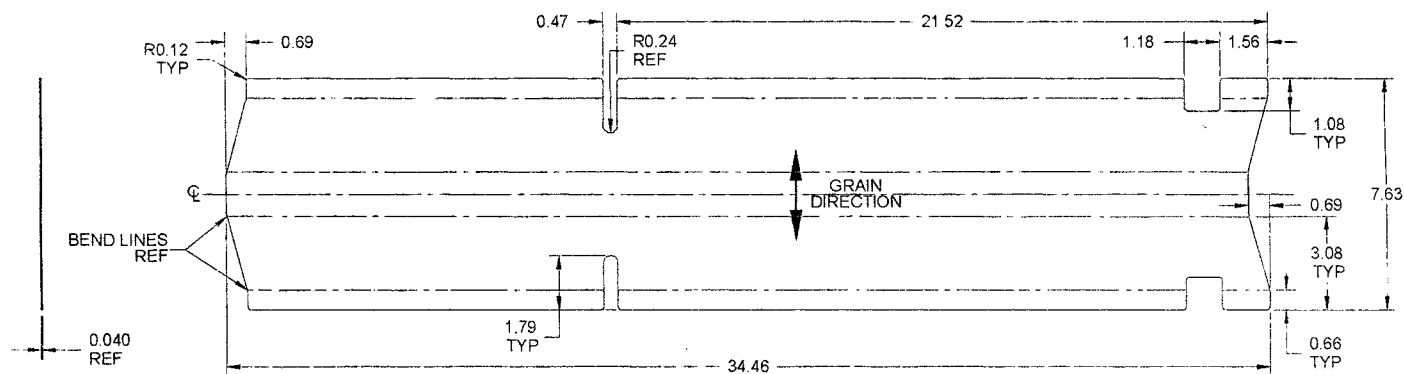
- NOTES:**
- 1) MATERIAL: MADE FROM D4005-3F
  - 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
  - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
  - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
  - 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D4005-3" AND B/N USING FINE POINT PERMANENT INK MARKER
  - 7) WEIGHT: 0.99 lbs

**PRELIMINARY ISSUE**

09.10.19

DESIGN	<b>DART AEROSPACE LTD</b>	
DRAWN	HAVKESBURY, ONTARIO, CANADA	
CHECKED	DRAWING NO. <b>D4005</b>	REV. PA1
MFG. APPR.	TITLE <b>FORWARD RESTRAINT</b>	SHEET 4 OF 15
APPROVED	DATE <b>09.10.19</b>	SCALE
DE APPR.		NTS
	COPYRIGHT © 2009 BY DART AEROSPACE LTD	
	THIS DOCUMENT IS FRANK'S AIR CORP. PROPERTY AND IS SUPPLIED ON THE FRANK'S AIR CORP. CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

wlo 55835



**D4005-3F FLAT PATTERN**

**NOTES:**

- 1) MATERIAL: 2024-T3 ALUMINUM SHEET, 0.040 THICK  
PER QQ-A-250/4 OR AMS-QQ-A-250/4  
OR AMS 4037 OR ASTM B209  
REF DART SPEC M2024T3S.040
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: 0.99 lbs

**PRELIMINARY ISSUE**

09.10.19

DESIGN	<b>DART AEROSPACE LTD</b>	
DRAWN	HAWKESBURY, ONTARIO, CANADA	
CHECKED	DRAWING NO.	REV. PA1
MFG. APPR.	<b>D4005</b>	SHEET 5 OF 15
APPROVED	TITLE	SCALE
DE APPR.	<b>FORWARD RESTRAINT</b>	NTS
DATE	COPYRIGHT © 2009 BY DART AEROSPACE LTD	
09.10.19	THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE BASIS OF A CONFIDENTIALITY AGREEMENT. IT IS NOT TO BE USED FOR ANY PURPOSES OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

\*\*\*PO REPRINT\*\*\*

Purchase Order ID PO11416

Purchase Order Date 2/24/10

PO Print Date 2/25/10

Page Number 1 of 1

Order From :

VC-GFI001

GFI  
180 AVENUE LABROSSE  
POINTE CLAIRE, QC H9R 1A1  
CA

Contact Name  
Vendor Phone 514 630 4877  
Vendor Fax 514 630 4849  
Vendor Account Nbr

Buyer Chantal Lavoie  
Requisition Nbr  
Tax Resale Nbr 10127-2607  
Terms Net 30  
Currency CAD  
FOB

Ship To : DART AEROSPACE LTD 1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req. Qty/ Unit of Measure	Ship Method	Unit Price	E
1	D4005-3P	Fwd Restaint Beam	3/17/10 Yes	4.00 Each	Purolator ground	\$99.0000	
		Special Inst:	As per DWG:D4005 Rev: PA1 B# 55835				
2	D4007-1P	Support	3/17/10 Yes	✓ 4.00 Each	Purolator ground	\$80.0000	
		Special Inst:	As per DWG: D4007 Rev: PA1 B#56460				
3	D4007-3P	Support	2/24/10 Yes	✓ 4.00 Each	Purolator ground	\$80.0000	
		Special Inst:	As per DWG: D4007 Rev: PA1 B# 56512				

PO Total:

PO Instructions: GFI QUOTE# GFI 2087

No substitution or deviation wi  
consent.  
Certificate of Conformity or M  
Certification required when ap

Change Nbr: 5

Change Date: 2/25/10



180 AVENUE LABROSSE  
POINT-CLAIRE, QC, CANADA H9R 1A1  
TÉL.:(514) 630-4877 - FAX:(514) 630-4849

GFI est une division de Thomas & Betts Fabrication Inc. / GFI is a division of Thomas & Betts Manufacturing Inc.



# BON DE LIVRAISON / SHIPPING MEMO

DATE DE LIVRAISON / SHIPPING DATE			N° DE BON DE LIVRAISON SHIPPING MEMO NO.	PAGE
JR - DY	MO - MO	AN - YR		
23	03	10	0434895	1/1




VENDU À / SOLD TO

EXPÉDIÉ À / SHIP TO

DART AEROSPACE LTD  
1270 ABERDEEN ST.  
HAWKESBURY, ON  
K6A 1K7

DART AEROSPACE LTD  
1270 ABERDEEN ST.  
HAWKESBURY, ON  
K6A 1K7

CODE DE CLIENT CUSTOMER CODE	N° DE CONTRAT JOB NO.	VOTRE N° DE COMMANDE YOUR PURCHASE ORDER NO.	EXPÉDIÉ PAR SHIP VIA		
DART GFI-0299	0211070	PO11416			
QUANTITÉ QUANTITY	N° DE PIÈCE PART NO.	DESCRIPTION			
4	D4005-3P	FWD RESTRAINT BEAM			
CERTIFICATE OF CONFORMANCE REQ					
MFG. JOB# J0211070-001 QTY 4					
					

EXPÉDITEUR  
SHIPPER

N° DE BON DE LIVRAISON  
SHIPPING MEMO NO.



REÇU PAR / RECEIVED BY

DATE

TOUTES LES RÉCLAMATIONS DOIVENT ÊTRE FAITES EN DEDANS DE 5 JOURS DE LA RÉCEPTION.  
ALL CLAIMS MUST BE MADE WITHIN 5 DAYS OF RECEIPT OF GOODS.

CERTIFICATE OF COMPLIANCE  
CERTIFICAT DE CONFORMITE



Membre de / A Member of **Thomas & Betts**

180 LABROSSE AVENUE  
POINTE CLAIRE, QC  
H9R 1A1

**DART AEROSPACE LTD**  
1270 ABERDEEN ST.  
HAWKESBURY, ON K6A 1K7

CERTIFICATE NO.	<u>1</u>	OUR JOB NO	<u>J0211070</u>	SHIPPING MEMO	<u>0434895</u>	
ITEM	QUANTITY	PURCHASE ORDER	PART NUMBER	REV	NAME	DWG ISSUE
<u>---</u>	<u>4 PCS</u>	<u>PO11416</u>	<u>D4005-3P</u>		<u>FWD RESTRAINT</u>	<u>PA1</u>
MATERIAL		SUPPLIED BY		MAT. REL. NO.		
<u>AL 2024-T3 (QQ-A-250/4)</u>		<u>SAMUEL / KAISER ALUMINUM</u>		<u>461277A6</u>		
	PROCESS	PROCESSOR		RELEASE NOTE #		
1	<u>FIRST ARTICLE INSPECTION REPORT ON FILE</u>	<u>GFI</u>		<u>CONFORMS</u>		
2	<u>REF. GFI MANUFACTURING JOB NUMBER J0211070-001 (4 PCS)</u>					
3						
4						
5						
6						
7						
8						
9						

WE HEREBY CERTIFY ALL THE PARTS COVERED BY THIS CERTIFICATE HAVE BEEN MANUFACTURED FROM MATERIAL SUPPLIED ON RELEASE NOTE SHOWN ABOVE AND THAT ALL PARTS HAVE BEEN INDIVIDUALLY INSPECTED AND CONFORM TO THE DRAWINGS AND PURCHASE ORDER REFERENCED ABOVE.

DATE 23 MARCH 2010

G.F.I. Q.C. REP. Daltan Hamel





LES METAUX SPECIALISES SAMUEL  
21525 CLARK-GRAHAM  
BAIE D'URFE, QUEBEC, CANADA  
H9X 3T5

(514) 457-3399

FAX(514) 457-9393

No 001501189



PAGE 1 DE/OF 1

SPORT/TEUR/CARRIER NAME  
SSMQ TRUCK

CAMION/TRUCK

400

NOM DE LA BRANCHE/SALES BRANCH NAME

SAMUEL & FILS & CIE(QUEBEC) L

DATED/EXP/DATE OF SHIPMENT

10/21/09

**VENDU À/SOLD TO:**

GFI, DIVISION DE THOMAS & BETTS LTEE  
180 LABROSSE

**EXPÉDIÉ À/SHIP TO: TÀB: DEST**

GFI INC.  
180 LABROSSE

POINTE-CLAIRE

QC

H9R1A1

(514) 630-4877

POINTE-CLAIRE

QC

H9R1A1

CA

(201009-00001)

N° COMMANDE

N° ITEM

112875-01

DESCRIPTION ET POIDS/DESCRIPTION AND WEIGHT

#Comm du client: 76078

2 PCS FEUILLES ALUMINIUM 2024 T3

.0400"x48"x144"

AMS-QQA-250-4 BARE

Cert/Test:

57 LVR

Description

Art

Pd ca

Qté

#Étiq

Vendeur Org

#Étiq mln

#À soul

2

96.000

57

Étiq princ

#Coul

US

1316126

D048792 461277A6

Total:

2

96.000

57

Poids total:

57 LVR

#Total paquets:

1

Commentaires connaissance:

CERTIFICAT DE CONFORMITÉ

LE MATÉRIEL DÉTAILLÉ CI-DESSUS EST CERTIFIÉ  
CONFORME AUX EXIGENCES DE VOTRE COMMANDE ET AUX  
SPÉCIFICATIONS DES NORMES DU GRADE. SVP VOUS  
RÉFÉREZ AUX CERTIFICATS CI-JOINTS. AUTORISÉ PAR:

*Melissa Diamond*  
MELISSA DIAMOND  
ADMINISTRATION

DATE 21/10/09



NIR: R-539477-1

PAIÉ PAR  
CHARGES

PORT PAYÉ/PREPAID

PORT DUE/COLLECT

INST. VOITURIER/DRIVER INSTRUCTIONS

VALEUR (\$2.00/lb max à moins d'avis contraire)  
VALUATION (Max \$2.00/lb unless otherwise stated)  
Valeur déclarée de l'expédition  
DECLARED VALUE OF SHIPMENT

EXPÉDITEUR/DISPATCHER

VOITURIER/DRIVER

REÇU PAR/RECEIVED BY

SHIP TO:  
SAMUEL BAIE D'URFE  
21525 CLARK-GRAHAM  
BAIE D'URFE, PQ, CA H9X3T5

**KAISER  
ALUMINUM**

Trentwood Works - Spokane, WA 99215

Phone: (800) 367-2586

## CERTIFIED TEST REPORT

Serial Number

4154656

SOLD TO:  
SAMUEL LAVAL  
2225 FRANCIS HUGHES  
LAVAL, PQ, CA H7S1N5

CUSTOMER PO NUMBER: N21658		WORK PACKAGE:	CUSTOMER PART NUMBER:		SHIP RUN/LOAD ID: 101471/5	GOV'T CONTRACT NUMBER:
KAISER ORDER NO: 1078916	LINE ITEM: 7	SHIP DATE: 10-FEB-2009	ALLOY: 2024	CLAD: BARE	TEMPER: T3	PRODUCT DESCRIPTION: MILL FINISH SHEET
WEIGHT SHIPPED: 3292 LB	QUANTITY: 117 PCS EST.	B/L NUMBER: 2021473	GAUGE: 0.0400 IN	WIDTH: 48.000 IN	LENGTH: 144.000 IN	

### Certified Specifications

AMS 4037/RevN  
CMMP 019/RevD

AMS-QQ-A-250/4/RevA  
CMMP 025/RevR

ASTM B 209/Rev07

Test Code: 1504

### Test Results

Lot: 461277A6 Cast 449

Drop 71

Ingot 1

(ASTM E8/B557)

Tensile:	Temper	Dir / # Tests	Ultimate KSI (MPA)	Yield KSI (MPA)	Elongation %
	T3	LT / 2 (Min:Max)	65.8 : 66.2 (454 : 456)	44.0 : 44.3 (303 : 305)	17.1 : 18.1

(ASTM E1251)

Chemistry:	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER
Actual	0.10	0.23	4.5	0.59	1.3	0.01	0.13	0.02	0.01	0.01	TOT 0.03

### ALLOY LIMITS

Chemistry:	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER	MAX
2024 MIN	0.00	0.00	3.8	0.30	1.2	0.00	0.00	0.00	0.00	0.00	EACH	0.05
MAX	0.50	0.50	4.9	0.9	1.8	0.10	0.25	0.15	0.05	0.05	TOT	0.15

Aluminum Remainder

### TEST NOTES

2024-T351 plate 3.001-4.000" thick, if ultrasonically inspected, meets requirements of CMMP025 per SDR CMMP025-KaiserT-2.



Trentwood Works - Spokane, WA 99215  
Phone: (800) 367-2586

## CERTIFIED TEST REPORT

Serial Number  
4154656

### CERTIFICATION

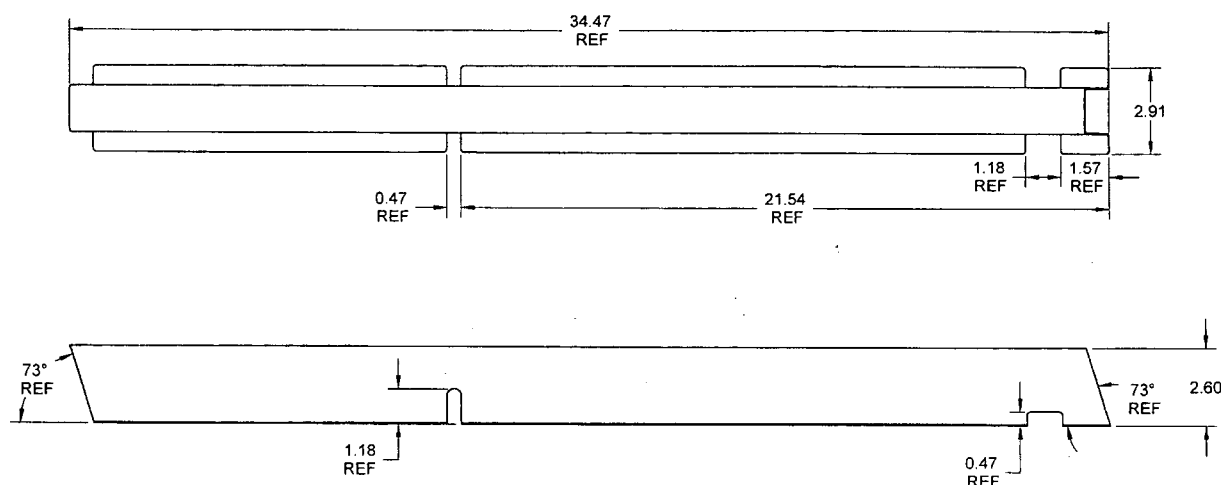
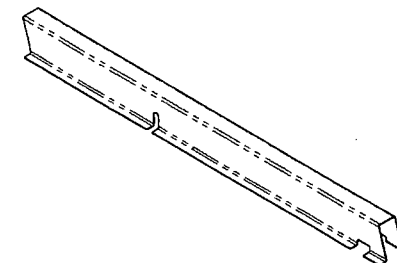
KAISER ALUMINUM FABRICATED PRODUCTS, LLC (KAISER) HEREBY CERTIFIES THAT METAL SHIPPED UNDER THIS ORDER WAS MELTED IN THE UNITED STATES OF AMERICA OR A QUALIFYING COUNTRY PER DFARS 225.872-1(a), WAS MANUFACTURED IN THE UNITED STATES OF AMERICA, AND MEETS THE REQUIREMENTS OF DFARS 252.225 FOR DOMESTIC CONTENT. THIS MATERIAL HAS BEEN INSPECTED, TESTED, AND FOUND IN CONFORMANCE WITH THE REQUIREMENTS OF THE APPLICABLE SPECIFICATIONS AS INDICATED HEREIN. ALL METAL WHICH IS SOLUTION HEAT TREATED COMPLIES WITH AMS 2772. ANY WARRANTY IS LIMITED TO THAT SHOWN ON KAISER'S STANDARD GENERAL TERMS AND CONDITIONS OF SALE. TEST REPORTS SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF KAISER ALUMINUM FABRICATED PRODUCTS, LLC LABORATORY. THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTIRE ON THE CERTIFICATE MAY BE PUNISHED AS A FELONY UNDER FEDERAL LAW. ISO-9001:2000 CERTIFIED.

**BILL POYNOR, LABORATORIES SUPERVISOR**



DART AEROSPACE PART NUMBER	JOHN CAMERON AVIATION PART NUMBER
D4005-3	JCA-M47-2-05

#55835



**D4005-3 FORWARD RESTRAINT BEAM**

**RELEASED**  
2010-05-05  
MD

**NOTES:**

- 1) MATERIAL: MADE FROM D4005-3F
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1  
POWDER COAT "GREY SANDEX" (4.3.5.6) PER DART QSI 005 4.3
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D4005-3" AND B/N USING FINE POINT PERMANENT INK MARKER
- 7) WEIGHT: 1.01 lbs

DESIGN		<b>DART AEROSPACE LTD</b>	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO. <b>D4005</b>	REV. A
MFG. APPR.			SHEET 4 OF 15
APPROVED		TITLE <b>RESTRAINT</b>	SCALE
DE APPR.			NTS
DATE	10.02.05	<small>COPYRIGHT © 2010 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries